
IMT
A 150
hydraulic drill rig
IMT

1974

IMT is founded by Mr. Giulio Accorroni.

1975

The first innovative hydraulic drill rig (model 75 type G) is patented. Capable of drilling up to a depth of 30 meters (best market performance at the time)

1978

The Accorroni family buys 100% of IMT shares and Giulio Accorroni is appointed IMT's sole Director.

1984

Andrea Accorroni takes over IMT management following the death of his older brother, (Fabio Accorroni , Giulio's first son)

1985

The company introduces the 805 model, which soon becomes very successful and used for big construction projects, such as the Sagrada Familia in Barcelona, Spain.

1992

New innovative models are launched (i.e., sound-proof machine and model AF12, assembled on a crawler base completely produced by IMT).

1993

Beginning of co-operation with Caterpillar (CAT): IMT starts assembling drill rigs on CAT bases (IMT is the first drill rig manufacturer to do this; other manufacturers will soon follow the example); IMT starts a distribution agreement in North America and Canada for its drill rigs mounted on CAT bases through the CAT dealer in Miami, Kelly Tractor Company In the same period, the technology for driven piles used in the U.S. until then starts moving towards the European piling system and the drilling equipment demand in the US market for all European manufacturers starts growing.

1997

IMT produces the AF50, the biggest drill rig in the world at the time, and sells no. 7 units to the Japanese multi-national company Sumitomo. Giulio and Andrea Accorroni are invited to Osaka for a lecture on the technical characteristics of the rig. The lecture is attended by the owners/directors of the biggest Japanese construction companies.

2005

IMT patents an innovative drilling system related to highly seismic grounds, the "Multi Rotary driven Soil Mixing Pile".

2006-2008

IMT increases its production range and doubles its sales. Andrea Accorroni, current President of IMT INTERNATIONAL S.p.A

2009-2010

IMT reacts to the global economic crisis by launching 2 new product lines in the market with traditional technology (the "AG" series, assembled on HITACHI base, and the "A" series, mounted on IMT base), and completes the first prototype of drill rig for seismic grounds, the AF460 model, which uses the patented "Multi Rotary driven Soil Mixing Pile" system. The prototype is presented at BAUMA 2010, the most important international exhibition for construction machinery. The complete production range is developed thereafter.

2011

IMT AGM appoints a new Board of Directors.

2011/2013

IMT develops the prototypes for the full range of the AF series drilling rigs with Tier 4 engines, as well as the newly-born A125 and A150 models, mounted on IMT base and powered by CAT.

2014/2015

IMT upgrades the A-series machines with new engines and design, and develops its own particular water well technology system.

2016/2019

The brand new range of A-series rigs with Tier 3 and Tier 4 engines, completely designed and developed by IMT, and lauched into the market.

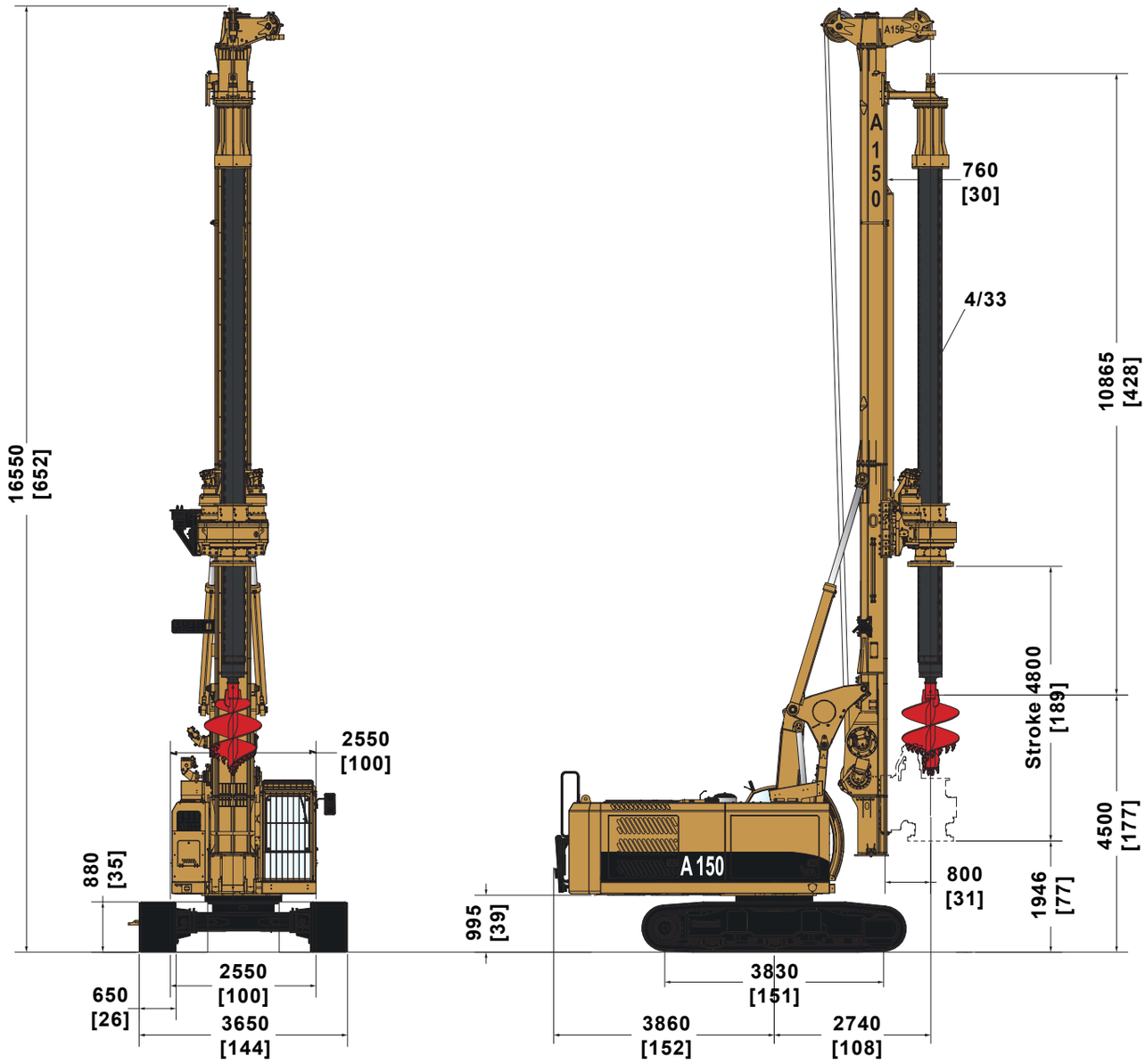
Andrea Accorroni

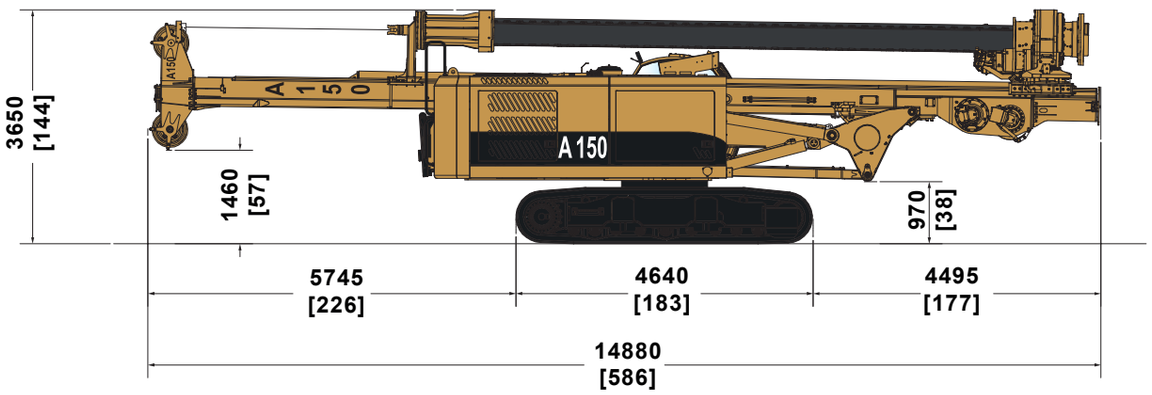
A 150

IMT, a global leader in the manufacture of drill rigs and a brand which has always been synonymous with quality and reliability in the pursuit of satisfying market demand, is pleased to present a new series of A drill rigs. This new line is unique in its simplicity and flexibility of use, while also perfectly maintaining sturdiness and productivity.
The machine was designed for very arduous applications as, thanks to its high torque and high-performing winch, it is capable of reaching great depths, also with great diameters. Its heavy-duty undercarriage guarantees optimal stability in various working conditions.

A 150 - Hydraulic Drill Rig

Crowd cylinder version

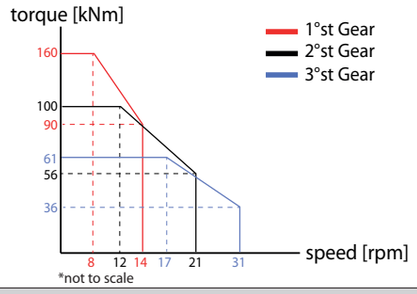




Technical specifications

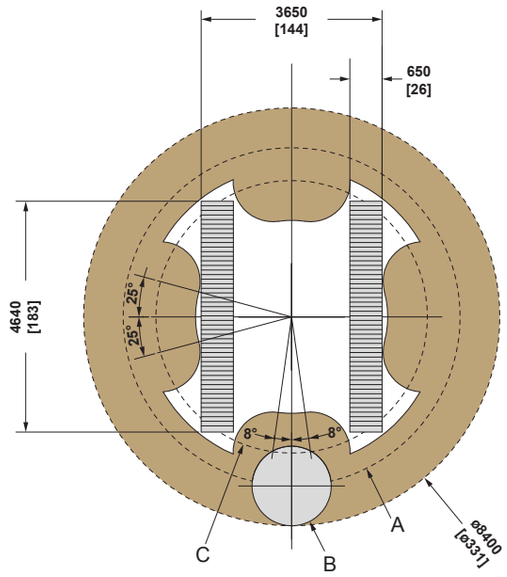
A150 Tier 4 Final

Rotary		
Nominal torque	kNm	160
	lbf ft	118010
Min. Working speed	rpm	8
Max. Working speed	rpm	28
Min. Discharge speed	rpm	40
Max. Discharge speed	rpm	110



Winches		
Main winch pull force	kN	155
	lbf	34850
Main winch speed	m/min	80
	ft/min	262
Main winch cable diameter	mm	24
	in	/
Auxiliary winch pull force	kN	75
	lbf	16865
Auxiliary winch speed	m/min	75
	ft/min	246
Auxiliary winch cable diameter	mm	18
	in	/
Crowd System		
Kelly crowd push	kN	160
	lbf	35970
Kelly crowd pull	kN	200
	lbf	44965
Stroke (mm)	mm	4800
	in	189
Base		**IMT**
Undercarriage length / widening range / shoe	mm	CAT 4640 / 2550 - 3650 / 650
	in	182 / 100 - 144 / 25,6
Engine type		CAT C7.1 Tier 4F
		169 KW (227 HP) @1900 rpm
Mast		
Mast raking forward	degree	5°
Mast side raking	degree	±5°
Mast raking backwards	degree	15°
Pile max diameter	mm	1600
	in	63
Kelly bar		
Standard		4/33
Options available		4/25 - 5/42
Operating Weight w/standard kelly bar	t (metric)	46,75
	lbs	103070
Operating Weight w/o standard kelly bar	t (metric)	40,5
	lbs	89290

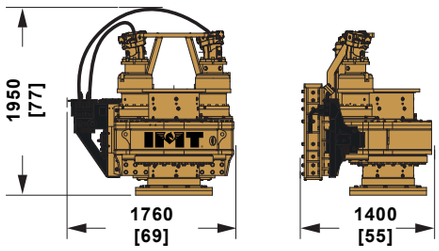
Working area crowd cylinder



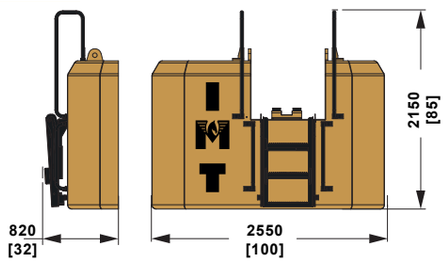
A	MAX WORKING RADIUS 3400 [R 134]
B	MAX TOOL DIAMETER 1600 [ø 63]
C	MIN WORKING RADIUS 2740 [R 108]

Removable parts for transport phase

Rotary Weight = 4,2 ton [9260 lb]



Counterweight Weight = 6,4 ton [14110 lb]

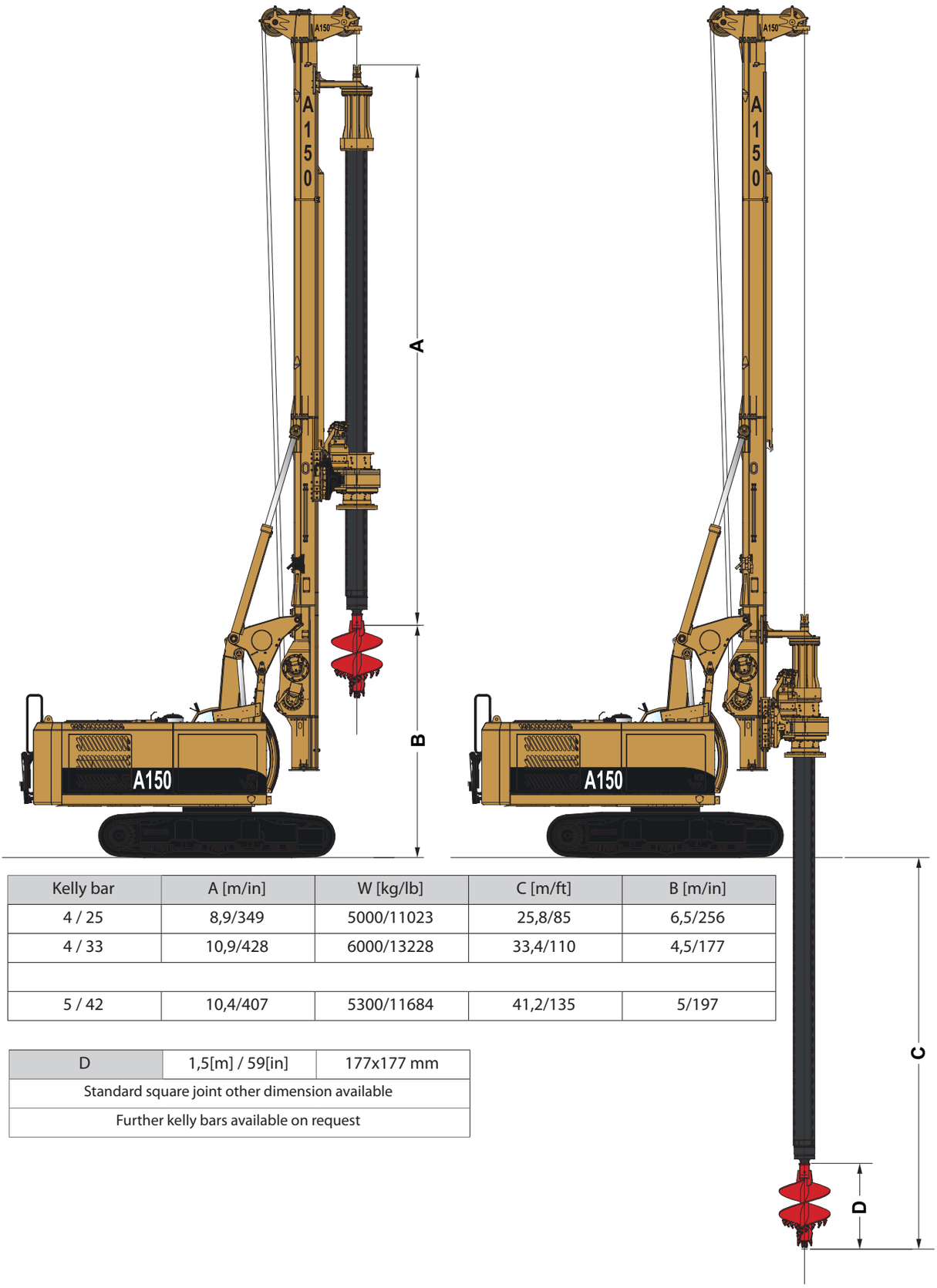


Equipment

- STANDARD EQUIPMENT -
Air conditioner
Neutral lever (lock out) for all control
Guard cab front
Guard cat top
Top cabin working lights
Main and auxiliary load sensing circuit
Free flow during drilling phase
Automatic bottom hole stop
Depth measuring device on main winch
Mast inclination mesurement
Kelly bar intelocking 4/33 (33m depth)
Automatic engine control to safe fuel
Electrical refuelling pump

- OPTIONAL EQUIPMENT-
Biodegradable oil
Lateral / Rear camera
Cardanic universal joint kit
LCA kit
Every kind of Kelly bar

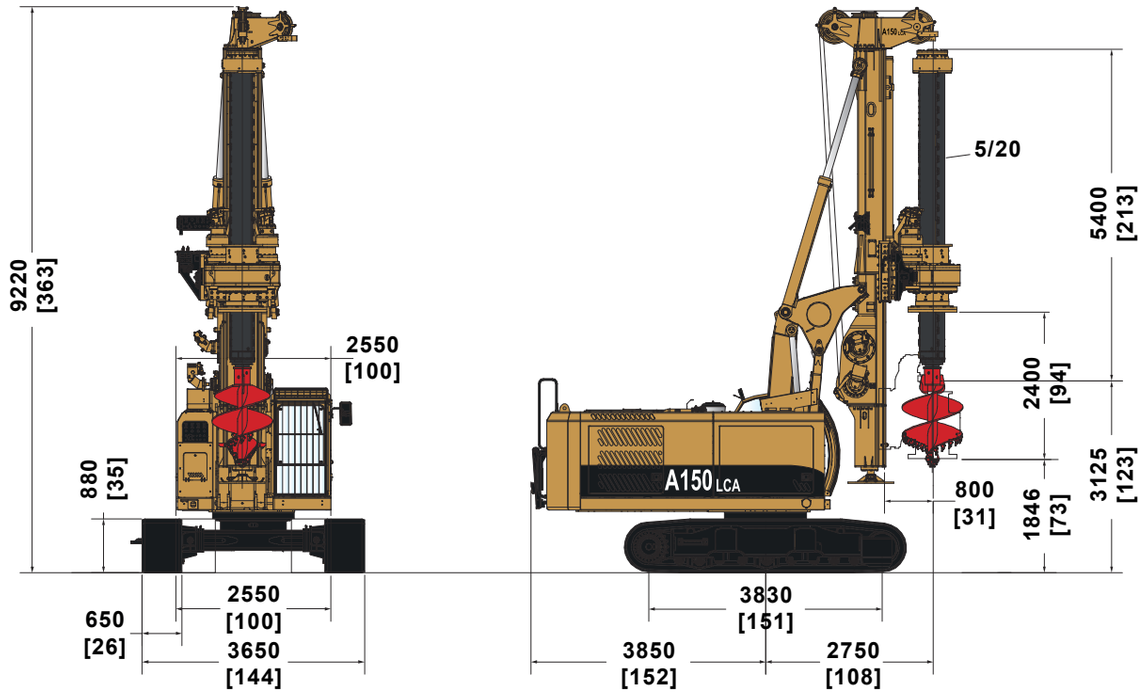
Kelly bar standard version

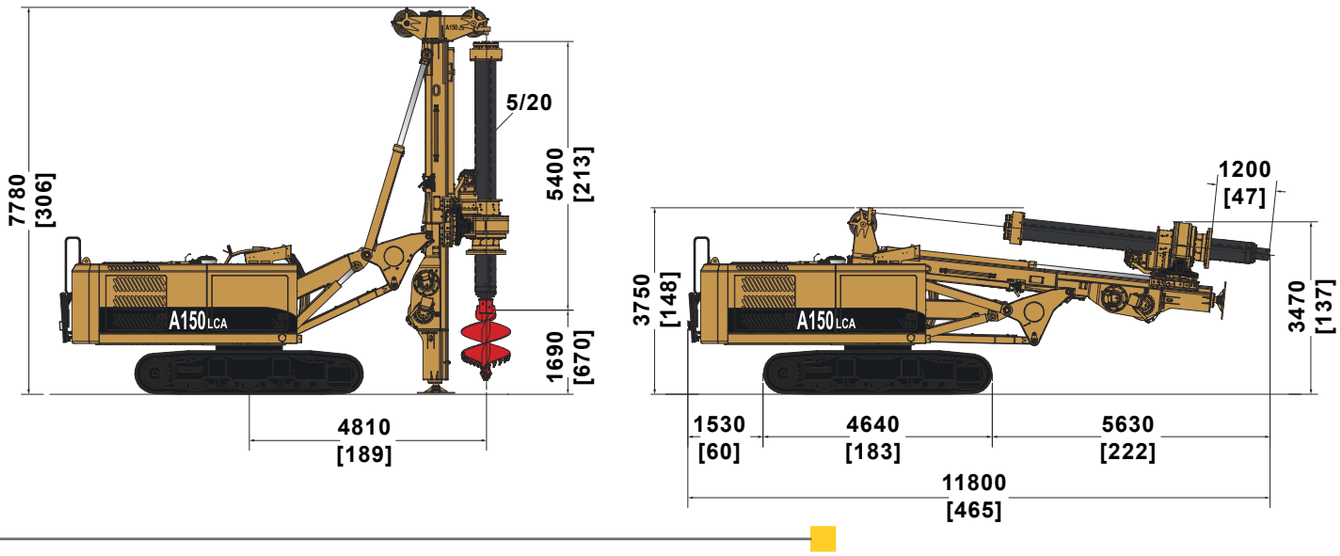


	Kelly bar	A [m/in]	W [kg/lb]	C [m/ft]	B [m/in]
4 PARTS	4 / 25	8,9/349	5000/11023	25,8/85	6,5/256
	4 / 33	10,9/428	6000/13228	33,4/110	4,5/177
5 PARTS	5 / 42	10,4/407	5300/11684	41,2/135	5/197

D	1,5[m] / 59[in]	177x177 mm
Standard square joint other dimension available		
Further kelly bars available on request		

LCA version



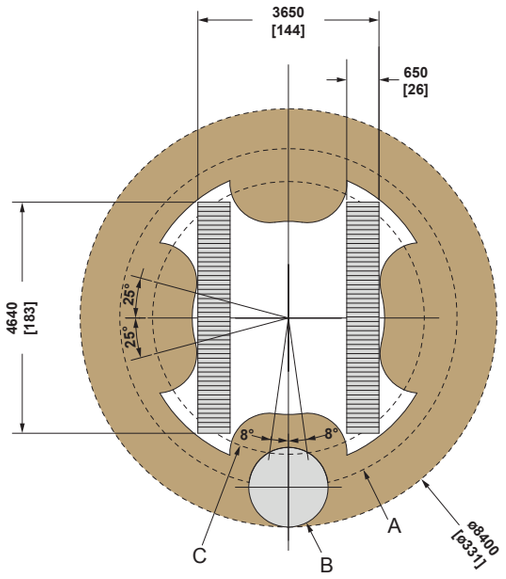


Technical specifications

A150 Lca Tier 4 Final

Crowd System		
Stroke (mm)	mm	2400
	in	94
Kelly bar		
Standard		5/20
Options available		
Operating Weight w/standard kelly bar	t (metric)	43,05
	lbs	94910
Operating Weight w/o standard kelly bar	t (metric)	39,8
	lbs	87750

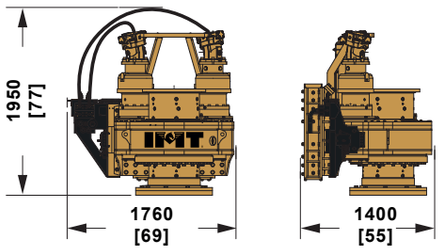
Working area LCA



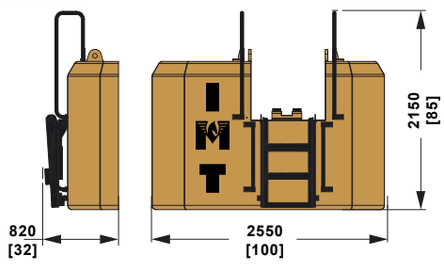
A	MAX WORKING RADIUS 3400 [R 134]
B	MAX TOOL DIAMETER 1600 [ø 63]
C	MIN WORKING RADIUS 2740 [R 108]

Removable parts for transport phase

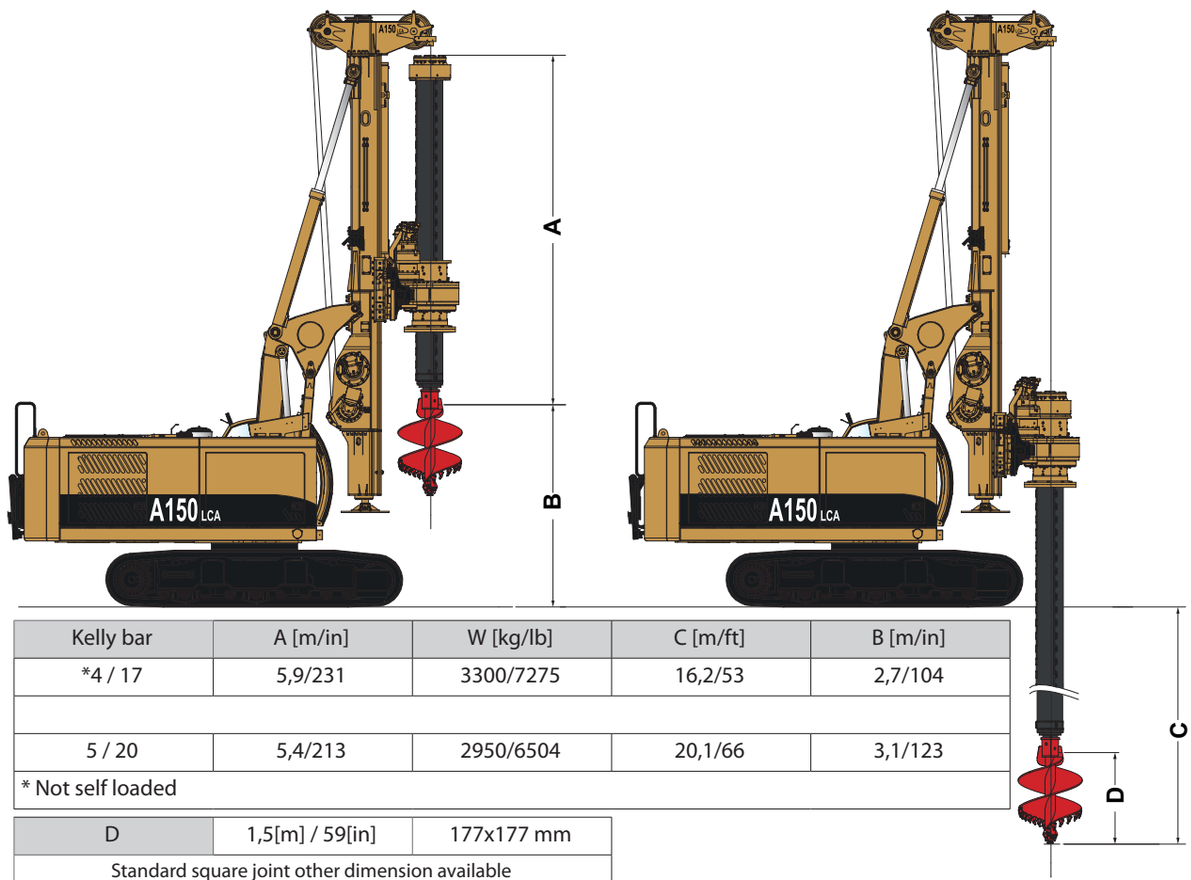
Rotary Weight = 4,2 ton [9260 lb]



Counterweight Weight = 6,4 ton [14110 lb]



Kelly bar LCA version



4 PARTS

5 PARTS

Kelly bar	A [m/in]	W [kg/lb]	C [m/ft]	B [m/in]
*4 / 17	5,9/231	3300/7275	16,2/53	2,7/104
5 / 20	5,4/213	2950/6504	20,1/66	3,1/123
* Not self loaded				

D	1,5[m] / 59[in]	177x177 mm
Standard square joint other dimension available		
Further kelly bars available on request		

Worldwide sales and assistance network

IMT dealers, a global network at your service
IMT, like very few other companies in the field,
has a global commercial and assistance network wich is present in over 30 countries.
From any part of the world IMT clients know which they can always count on fast and efficient service.

Note

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